


Course:	
Specification and code:	OCR - Chemistry A – H432, H032 (AS Only)
Exam Board website:	http://www.ocr.org.uk/qualifications/as-a-level-gce/as-a-level-gce-chemistry-a-h032-h432-from-2015
Course outline:	<p>Our A Level Chemistry A qualification is a content-led course designed to develop theoretical and practical chemistry skills, knowledge and understanding. In the first year you will study:</p> <p>Module 1 – Development of practical skills in chemistry Module 2 – Foundations in chemistry Module 3 – Periodic table and energy Module 4 – Core organic chemistry</p>
Essential Reading:	<p>http://www.ocr.org.uk/Images/295468-mathematical-skills-handbook.pdf</p> <p>Download the maths skills guide and then read through M0 unit on arithmetic and numerical calculations. Write notes on each section making sure you can use standard form, convert units and use prefixes correctly.</p> <p>http://www.ocr.org.uk/Images/208932-practical-skills-handbook.pdf</p> <p>Download the practical skills guide and read through the exam requirements for assessment of the practical skills part of the course.</p>
Background reading:	<p>Find articles in scientific magazines or newspapers, read about areas of interesting chemistry that make the idea of studying chemistry more interesting.</p> <p>Good examples are: New Scientist - https://www.newscientist.com/ Chemistry Works - https://www.chemistryworld.com/ Chemweek - https://chemweek.com/cw/</p>
Year 2 Course Outline and reading (not essential at this stage)	<p>Module 5 – Physical chemistry and transition elements Module 6 – Organic chemistry and analysis</p> <p>Keep up to date with articles relating to these topics as described in the specification.</p>
Summer Task:	<ol style="list-style-type: none"> 1. Download and print out the specification content pages 2. Review GCSE work on calculations e.g. percentage composition, moles, titrations. Make yourself a useful A3 calculation sheet to go in your folder. Make sure you make it so you can add to it as you go along. 3. Write a review of one article you read and enjoyed from the background reading task. Explain why you like it and what made you interested in the article. 4. Bring your folder with all of the tasks completed to your first lessons of Chemistry.